

L# ANSWER 355 OF 419 CAPLUS COPYRIGHT 2002 ACS
AN 1979:54817 CAPLUS
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TI N-Methyl-2-pyrrolidinone
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From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1978, 55(30),
82.
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PI SU 619484 T 19780815 SU 1976-2324665 19760216
AB The title substance was prep'd. by electrolytic redn. of
N-methylsuccinimide (50-320 g/L) using a diaphragm and a Pb cathode
(.gtoreq.99.999% purity which is mech. cleaned and then oxidized with
10-6-10-1 A/cm² d. const. anodic current) in a 15-75% H₂SO₄ soln. at
(-5)-(+70).degree. and 0.05-0.98 A/cm² c.d. The yield was increased and
the process simplified by reducing with a nonmetallic anode consisting of
graphite, glassy carbon or silicographite using a cation-exchange
diaphragm.
IC C07D207-26
DT Patent
LA Russian